

What is claimed is:

(FIG 16)

Sub A1) 1. A cable-enrolling conductive thin-film sheet comprising:
a conductive thin film having a conductor layer, a first
insulating layer laminated on a front face of the conductor layer,
and a second insulating layer laminated on a rear face of the
conductor layer; and
an electrical cable having an electrically conductive core
wire and an insulating sheath covering the core wire,
wherein the conductor layer of the conductive thin film and
the core wire of the electrical cable are welded to each other.

2. The sheet as claimed in claim 1 wherein a portion of one
of the first and second insulating layers is welded to the sheath
of the electrical cable.

3. The sheet as claimed in claim 1 wherein the sheath of the
electrical cable has a round section.

Sub A2) 4. The sheet as claimed in claim 1 wherein the conductive
thin film can enroll the electrical cable to electrically
shield the electrical cable.

42
5 5. The sheet as claimed in claim 1 wherein a plurality of [the electrical cables] are disposed on the conductive thin film parallel to each other, and the conductive thin film can enroll [the electrical cables] to electrically shield [the electrical cables].

6. The sheet as claimed in claim 1 wherein the electrical cable is grounded.

7. A manufacturing method of the cable-enrolling conductive thin-film sheet as defined in claim 1 comprising the steps of:

laying the electrical cable on one of the first and second insulation layers; and

welding the electrical cable on the one of the insulating layers by ultrasonic welding so that the conductor layer of the conductive thin film can be connected to the core wire of the electrical cable.

56
20 8. A manufacturing method of the cable-enrolling conductive thin-film sheet as [calmed] in claim 2 comprising the steps of:

laying the electrical cable on one of the first and second insulation layers; and

102K A welding the electrical cable on the one of the insulating layers by ultrasonic welding so that the conductor layer of the conductive thin film can be welded to the core wire of the electrical cable.

5

9. The method as claimed in claim 8 wherein the one of the insulating layers is welded to the sheath of the electrical cable during the step of the ultrasonic welding.

10. The method as claimed in claim 8 wherein, in the step of ultrasonic welding, a horn tip is opposed to the electrical cable, and an anvil is opposed to the other of the first and second insulating layers of the conductive thin film.

11. The method as claimed in claim 10 wherein, in the step of ultrasonic welding, the horn tip and the anvil are moved to come close to each other.

12. The method as claimed in claim 11 wherein, in the step of ultrasonic welding, the horn tip contacts the sheath of the electrical cable, and the anvil contacts the other of the first and second insulating layers of the sheet.